LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

HOUSE SPRINGS QUARRY & MATERIALS, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements
In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the
Proposed mining operation(s) will be on 12 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number	
Jefferson	10	42N	04E_	12	0	12	House Springs Quarry	0496	
114				ļ				 -	

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 17th day of February 2004

DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0462

Effective Date 03/12/2004

Expiration Date 03/11/2005

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=	MISSOURI DEPARTMENT OF NATURAL RESOURCES
	LAND RECLAMATION COMMISSION
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MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES AMATION COMMISSION JEFFERSON CITY, MO 65102-0176							
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL							
HOUSE SPRINGS QUARRY &		FEBRUARY 9, 2004					
ADDRESS 5200 HILLSBORO-HOUSE SE	спу	STATE ZIP CODE 63051					
CONTACT PERSON		TELEPHONE NUMBER					
BILL JANSSEN - PRESIDEN FEES: COMPLETE SECTION FOR SECTION		(636) 671-4000					
	those mining more than 5,000 tons of sand and/or grav	el:					
1. To compute the site fee complete the in	formation below:						
SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300					
1. HOUSE SPRINGS QUARRY	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$					
TOTAL SITE FEE		\$ 300.00					
2. Acreage Fee \$5 X 12 number of	f acres bonded						
		\$ 500					
NOTE: If Total Fee exceeds \$2,500.00 ther	n pay only	\$ 860.00 \$ 2,500					
SECTION II. FEES: Sand or gravel operator	s mining less than 5,000 tons per year:						
1. Annual Permit Fee		\$ 300					
SIGNATURE APPLICATION	PRESIDENT	DATE 2-6-04					
Appeared before me this 6th day of to me personally known, who executed the about	February, 2004, Wm M Ta	42884					
NOTARY PUBLIC EMBOSSER SEAL STATE OF Mis.	SOUP : WORN BEFORE ME, THIS	Y OF ST. LOUIS)					
NOTARY PUBLIC SIGNATURE OF THE PUBLIC SIGNATURE OF THE PUBLIC NAME OF	NATURE MY COMMISSION EXPIRES NOT STATE STATE OF PRINTED)	LINDA CRULL sary Public - Notary Seal TATE OF MISSOURI Jefferson County mission Expires: June 5, 2(X)5					
FOR DEPARTMENT USE COM GPPROVED BY MO 780-1780 (12-02)	DATE APPROVED 3-11-04 PERMIT NUMBER 0462	5-11-2805					

Company Name			. ,		Addr	es s		DO.	Box	154	7			····	
House Springs Permit No.	Expira	•		erials	5200 Oper		sboro	- Hous	e Spr	· i~gs	Rd.;	Hou	se Spi	Phone	
462	3/	10					J	anssi	- -21						671-4000
Location		199		В	P	19 <i>9/</i>	R	В	·	1972		. В	P	Com-	Remarks
County S-T-R		N	R			N		В	P	N	R	д	P	modity	
Jefferson					/		/				_/_			45	
Sec 1- T41N-R3	E						,						· · · · · · · · · · · · · · · · · · ·		
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51-T41N R			/		1		1_	<u></u>						L5	
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S-10, 7 4218 R-41					12		12				12		12	15	
Saldina Cali		199	18			1	9	9	9		200	00			
5-10 TY2N	ROYE		12,		12		12		1.2		12		1.2	15	
			2	00	1		20	000	~		20	03			H 4702 C 2005
3-10 T.42N	R-041=		12		/コ		12		12		12		12	25	HO437 SPrings Querry
		Ó	300	>4		2	00	5		2	20	(0			
Jefferson com 5-10 T#42N R	17 - 4£		12		12									25	House serings QUARRY
															,

LS = Limestone

N= New acres added this year

CL = Clay

R= Renewed acres from previous years

TS = Tar Sand Ba = Barite B= Bond released acres this year

S&G= Sand & Gravel

P= Total permitted acres this year





To be completed for each separate area of d	isturbance associate	d with mining operations	. JA	N 28 1995	de
SITE NAME OR NUMBER		PERMIT NUMBER	RECIAMA	RECLAMATION COMMISSION	
House Springs Quarry	462 462				
COMPANY NAME				()	\
House Springs Quarry & Mate	rials, Inc.				
COUNTY	1/4 SECTION		SECTION		
${ t Jefferson}$	SW 1/4		10		
TOWNSHIP	RANGE		ACRES		
42N	4E		12		
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)	<u> </u>				
N/A					
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FO	OR GRAVEL SITES)		
Limestone		N/A >5000	tons		
		1			
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN	N ONE)				
House Springs Quarry & Mate					
ADDRESS	ilais, inc.				
5200 Hillsboro - House Sprin	ngs Road				
CITY		STATE	ZIP COE		
House Springs,		мо	630		
SOURCE OF RIGHT TO MINE (CHECK ONE):		110		FAGREEMENT	
MINERAL DEED		LEASE			
WARRANTY DEED		VERBAL AGREEMENT	[N/A	-
OTHER (DESCRIBE):					
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH	HAN ONE)				
	TAIL GIVE,				
(Same As Above)			-		
ASSILESS					
CITY		STATE	ZIP COI	DE	
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE O	FAGREEMENT	
MINERAL DEED		LEASE			
WARRANTY DEED		VERBAL AGREEMENT			
OTHER (DESCRIBE):					<u></u>
NOTE: Each site must be shown on a map a	and be included in a p	oublic notice and an app	oved mine plan.		

P.O. BOX 176 JEFFERSON CITY, MO 65102

	MINE PLAN		JEFFERSON CITY, MO 65102
TYPE OF PLA	AN (CHECK ONE):		
	TERM, FOR ONE PERMIT YEAR	0/44/0005	
	ERM, FOR PERIOD THROUGH DATE		
DESCRIPTIO		MATION COMMISSION PERMITTING (BY APPLICANT OR	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
AND TOPOG	House Springs	Quarry	
	Most of the existin	g quarry pit was opened prior to	1972 (operations started in
the	1940's). The quarri	ed area was previously a north-so	uth trending ridge and excavated
l to a	a maximum depth of ap	proximately 200 feet. This mine	plan covers a quarry expansion
of a	approximately 9 acres	, to the currently permitted one a	cre area, plus a spoil storage
area	a of apprximately two	acres. The quarry expansion are	a is a continuation of the
		, which has steep sideslopes and i	
		area consists of weathered bedro	
		within the overburden.	rock formations. No distin-
guis	shable topsoff exists	within the overburden.	
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! }			
OPERATIO	ON PLAN - 10 CSR 40-10.020	D(2)(D)1.	
A. TOPSO			
AVERAGE D	EPTH OF TOPSOIL, PRIOR TO LAN	D RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
		0 INCHES	YES OR W NO
DESCRIBE M	METHODS AND EQUIPMENT USED	FOR TOPSOIL REMOVAL	
	Not applicable to t	his site. No topsoil or unconsol	idated material meeting the
Тор	Soil Handling Requir	rements of 10 CSR 40-10.040 (6) ex	ists within the mine plan area.
1	3 1	, , ,	
		rently being developed for this a	
		scribe soil conditions within the	
an c		vestigation was performed for the	
		e accompanying report entitled "Un	
Eva.	Luation For Quarry Ex	kpansion of House Springs Quarry."	
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/ \ !			
DESCRIBE N	METHODS AND EQUIPMENT USED	FOR TOPSOIL STORAGE AND PROTECTION	
NT. 4	A 7: 17		
Not	Applicable		
			The same
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B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil material will consist of unconsolidated overburden, weathered bedrock, unacceptable rock formations, and "mudseam" material. (Reference the accompanying report entitled "Unconsolidated Material Evauluation For Quarry Expansion of House Springs Quarry").

Dozers, front loaders and dump trucks will be utilized to place all spoil material in a storage area northeast of the currently active pit area. The spoil storage area will be graded and metal culverts will be utilized as needed to provide drainage, control erosion, and provide a roadway.

(See Attached Sheet for continuation)

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DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Refer to Locator and Detail Maps



YES	NO	
	X	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
		Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	X	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

MINE PLAN

B. SPOIL - Continued

It is not feasible to segregate the soil contained within the mudseams and the fines (rockflour) contained in the overburden. However, the rock/soil spoil material is capable of supporting grass vegetation due to the high percentage of fines within the spoil-material. Therefore, material from the spoil area will be utilized for reclamation purposes. The subsequent reclamation material is capable of supporting grass vegetation if careful selection of the spoil material is utilized.

Any portions of the spoil area which are at finel grade or will remain inactive will be seeded with Emerald Crown Vetch at the rates provided in the Vegetation Plan. 88. 1-23-95



RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.						
A. REVEGETATION (Attach additional sheets, if needed)						
REVEGETATION MIX #1 #1	PURPOSE OR LAND USE Industrial Lawn Area	B. SEEDING OR PLANTING TIME Spring (March 15-May 15)				

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following final grading with spoil material adequate to support vegetation, the seed will be broadcast and lightly covered.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB	SPECIES	STEMS/ACRE
Tall Fescue	25			
REVEGETATION MIX #2 #2	Erosion Contro		B SEEDING OR PLAN Spring (Ma	rch 15-May 15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following final grading with spoil material adequate to support vegetation, the seed will be hand broadcast. Reseeding will be done as needed to achieve cover sufficient to control erosion.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Emerald Crown Vetch	4–6	$R^{\scriptscriptstyle E}$	CEIVE
		,	IAN 23 1995
		RECLA	MICOUCH ENTINU MATION COMMISSION

|ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The spoil area will be graded to slopes traversable by farm machinery. The quarry floor along the remaining highwall, and other quarry floor areas as needed, will be graded to ensure adequate drainage from the quarry pit and to enable the quarry floor to be traversable by rubber tired equipment. All affected mining areas (quarry floor and spoil area) will be finalized in a manner useable for industrial development.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Final grading will be completed within 12 months of the permit expiration for the affected area disturbed by quarry activities.

REPLACEMENT OF TOPSOIL

Final grading will utilize spoil material with sufficient fines to support vegetation and final grading will be completed as previously specified.

REVEGETATION

Seeding of areas requiring revegetation will be performed during the first optimum seeding period following final grading with establishement of vegetation within 24 months after permit expiration for the affected area.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) A minimum of 12 inches of spoil material containing sufficient fines to support vegetation shall be utilized.

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

JAN 2 3 1995

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Water impoundments (for wildlife, agricultural, or development)

RECLAMATION COMMISSION

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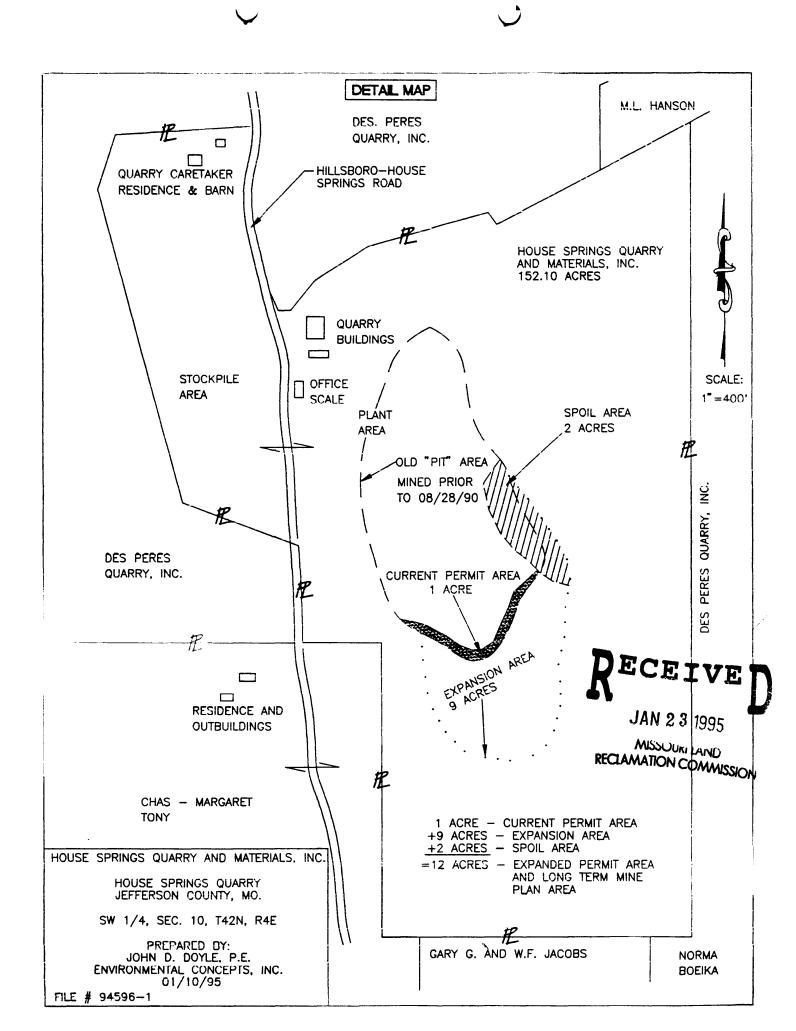
MO 780-1327 (12-91)

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.



SIGNATURE OF APPLICANT		TITLE	DATE			
MAC	uneu	President	January 23, 1995			
NOTARY PUBLIC EMBOSSER SEAL	Missouri	7.110	COUNTY (OR CITY OF ST. LOUIS) Jefferson			
		nuary ₁₉ 95	USE RUBBER STAMP IN CLEAR AREA BELOW			
	Demo & Mc Combo	MY COMMISSION EXPIRES 5/14/96				
	NOTARY, FUBLIC NAME (TYPED OR PRINTED) George E. McComb					
APPROYED BY (DIRECTOR'S REPRESENTATIVE)		DATE APPROVED	PERMIT NUMBER			
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MO 780-1327 (12-91)			PAGE 5 OF 5			



P.O. BOX 176 JEFFERSON CITY, MO 65102

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		, which has steep sideslopes and i	
		area consists of weathered bedro	
		within the overburden.	rock formations. No distin-
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DESCRIBE M	METHODS AND EQUIPMENT USED	FOR TOPSOIL REMOVAL	
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Тор	Soil Handling Requir	rements of 10 CSR 40-10.040 (6) ex	ists within the mine plan area.
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DESCRIBE	METHODS AND EQUIPMENT USED	FOR TOPSOIL STORAGE AND PROTECTION	
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Not	Applicable		
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D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Refer to Locator and Detail Maps



YES	NO	
	X	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
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Development (residential, industrial, and recreational)

JAN 2 3 1995

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RECLAMATION COMMISSION

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MO 780-1327 (12-91)

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.



SIGNATURE OF APPLICANT		TITLE	DATE		
		President	January 23, 1995		
NOTARY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Jefferson		
	SUBSCRIBED AND SWORN BEFORE ME, T 23rd DAY OF Jan NOTARY PUBLIC SIGNATURE	luary 19 95	USE RUBBER STAMP IN CLEAR AREA BELOW		
	Deme & Mc Combo	EXPIRES			
	NOTARY, FUBLIC NAME (TYPED OR PRINTED) GEORGE E. McComb				
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MO 780-1327 (12-91)			PAGE 5 OF 5		

